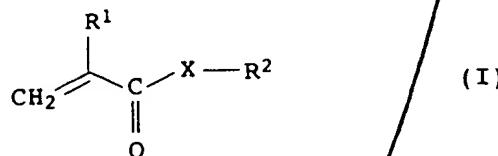


CLEAN VERSION OF AMENDMENTS

IN THE CLAIMS:

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1. (amended) A cationic polymer obtained by free-radical copolymerization of  
(a) from 50 to 70% by weight of one or more monomers of the formula I

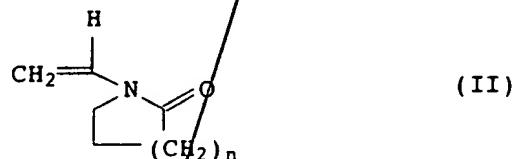


$X = O, NR^1,$

$R^1 = H, C_1-C_8\text{-alkyl},$

$R^2 = \text{tert-butyl},$

(b) from 5 to 45% by weight of one or more monomers of the formula II



where  $n = 1 \text{ to } 3,$

(c) from 5 to 40% by weight of a monoethylenically unsaturated monomer having at least one amine-containing group where up to 40% by weight, based on (a), (b), and (c), of the monomer (a) can be replaced by a monomer of the formula I  
where  $R^2 = C_2-C_{22}\text{-alkyl}.$

2. (amended) A polymer as claimed in claim 1, obtained by free-radical

copolymerization of

- (a) from 51 to 65% by weight of the monomer of the formula I,
- (b) from 7 to 39% by weight of the monomer of the formula II,
- (c) from 10 to 30% by weight of the amine-containing monomer.

3. (amended) A polymer as claimed in claim 1, wherein the monomer (a) is tert-butyl acrylate, N-tert-butylacrylamide or tert-butyl methacrylate.

4. (amended) A polymer as claimed in claim 1, wherein the monomer (b) is vinylpyrrolidone or vinylcaprolactam.

5. (amended) A polymer as claimed in claim 1, wherein the monomer (c) is dimethylaminoalkyl (meth)acrylate or dimethylaminoalkyl (meth)acrylamide.

7. (amended) A method of using the polymers as claimed in claim 1 comprising the step of incorporating into cosmetic preparations the polymers as claimed in claim 1.

8. (amended) The method as claimed in claim 7 wherein the incorporation is made into a hair spray, foam setting compositions, hair mousse, hair gel or shampoos.

10. (amended) A process for preparing the cosmetic preparation as claimed in claim 9, said process comprising partially or completely neutralizing said polymer with a monohydric acid.

11. (amended) The process as claimed in claim 10 wherein the polymer is partially or completely neutralized with a phosphoric acid or an acid mixture containing phosphoric acid.

12. (amended) A method of using polymers as claimed in claim 16 comprising the step of incorporating said polymers into hair cosmetics.

13. (amended) A hair cosmetic preparation comprising

- (a) from 0.2 to 20% by weight of a polymer as claimed in claim 1,
- (b) from 0 to 10% by weight of a conventional hair-setting polymer,
- (c) from 0 to 1% by weight of a water-dispersible siloxane-containing compound,
- (d) from 30 to 99.5% by weight of a solvent or solvent mixture of alcohol and water,
- (e) from 0 to 60% by weight of a propellant comprising dimethyl ether or propane or butane, and
- (f) from 0 to 0.3% by weight of a cosmetically suitable additive.

*B3*  
*Cont.*

14. (amended) The method as claimed in claim 7 wherein the cosmetic preparations are cosmetic skin preparations.

15. (amended) The method as claimed in claim 14, wherein a fatty acid amide is additionally incorporated.

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16. (new) The polymer as claimed in claim 1 which has a glass transition temperature of > 25°C and a K value of from 25 to 70.

*B4*

17. (new) The polymer as claimed in claim 16, wherein the K value is from 35 to 50.

18. (new) The process as claimed in claim 9, wherein said polymer is neutralized with a polyhydric or a polycarboxylic acid.

*CB 4*  
19. (new) The process as claimed in claim 9, wherein said polymer is quarternized with  
a quarternizing agent.

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